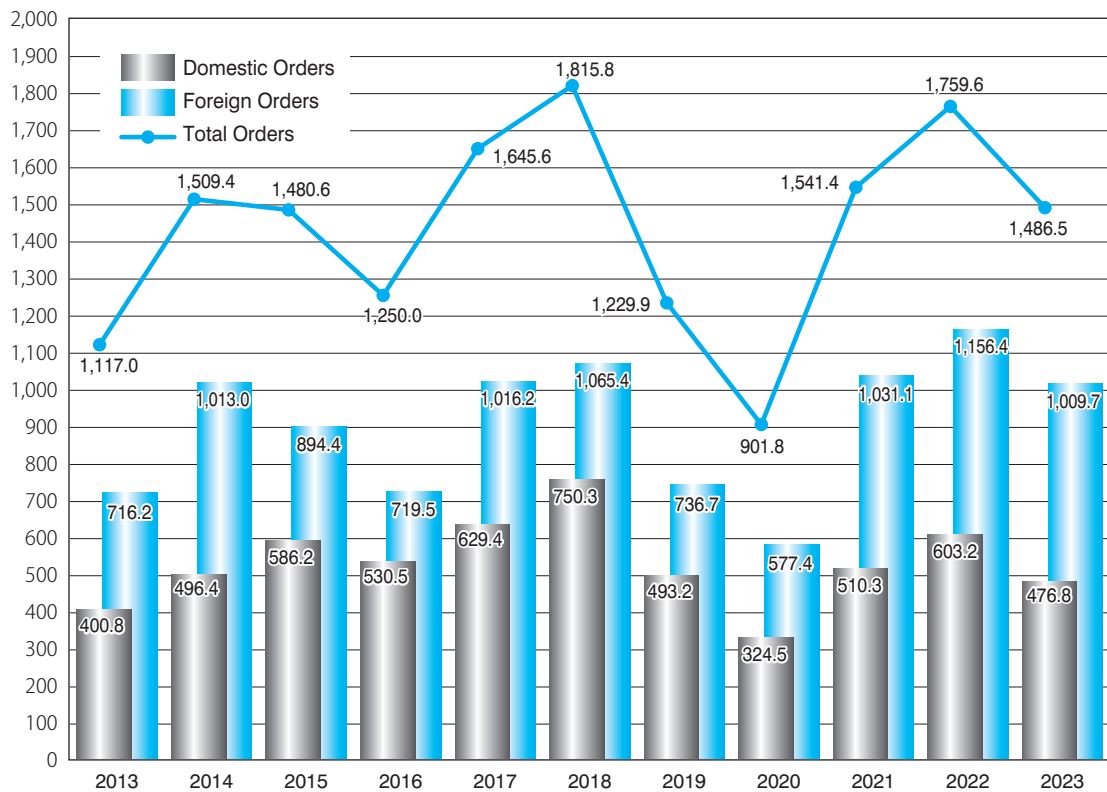


Trends in Orders of Machine Tools

Machine Tool Orders

(Value in Billions of Yen)

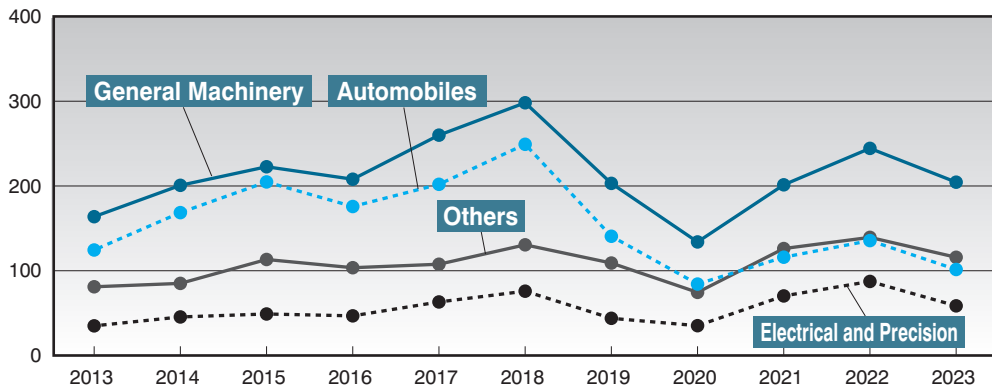


Source: JMTBA

- The total amount of machine tool orders in 2023 is 1,486.5 billion yen, down 15.5% from the previous year, marking the first decrease in three years. With demand for reconstruction from the COVID-19 pandemic slowing down and various factors of uncertainty in the global economy, this year was a somewhat sluggish year compared to the past few years.
- However, manufacturing industries in each country are being forced to address a variety of issues, including automation, environmental friendliness, digital transformation, and the decentralization of production bases. These needs have provided underlying support, preventing a significant decline in orders even during this adjustment phase, and a certain degree of resilience has been felt.
- Domestic orders were down 21.0% year-on-year to 476.8 billion yen, falling below 500 billion yen for the first time in three years. Of the 11 industries, only “Aircraft, Shipbuilding, and Transportation Machinery” increased year-on-year (+7.0%, 20.2 billion yen), while the remaining 10 industries, including “General Machinery” and “Automobiles,” saw declines.
- Foreign orders were down 12.7% year-on-year to 1.097 trillion yen, the first decrease in three years, but still exceeded 1 trillion yen for the third consecutive year. Despite being hit by severe inflation and high interest rates, Europe (up 1.1%, to 233.5 billion yen) and North America (down 6.9%, to 320.6 billion yen) remained resilient. Meanwhile, Asia (down 23.2%, 427.6 billion yen) saw its demand in India reach a record high, but the slump in East Asia, particularly China, had a major impact.

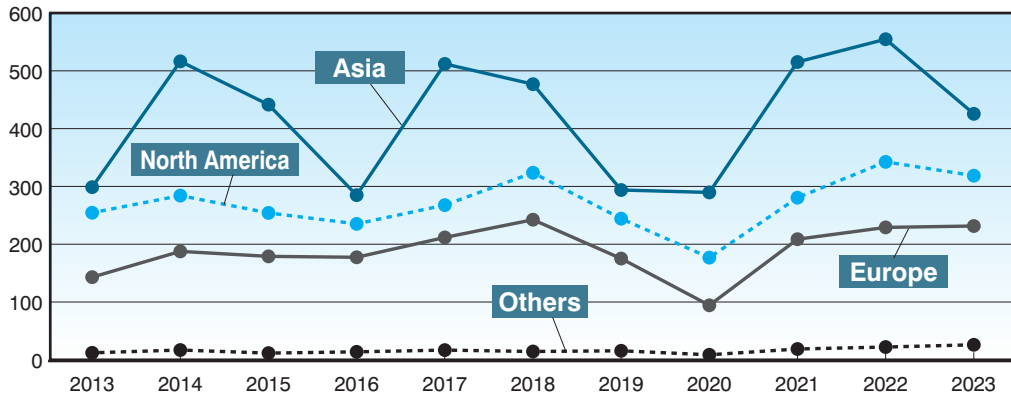
Domestic Orders: Trend of Order Value by Industry

(Value in Billions of Yen)



Foreign Orders: Trend of Order Value by Region

(Value in Billions of Yen)



Machine Tool Order by Type of Machine

(Value in Millions of Yen)

Type of Machine	2021		2022		2023		23/22 (%)	Share (%)
	Value	Share	Value	Share	Value	Share		
Turning Machines	510,051	34.1	581,730	34.4	507,105	34.4	87.2	34.4
Drilling Machines	210	0.0	209	0.0	212	0.0	101.4	0.0
Boring Machines	14,087	1.1	14,622	1.1	16,294	1.1	111.4	1.1
Milling Machines	3,670	0.2	3,851	0.2	3,236	0.2	84.0	0.2
Grinding Machines	95,654	5.9	115,632	5.6	87,497	5.9	75.7	5.6
Gear Cutting & Finishing Machines	29,646	1.9	35,342	1.9	28,062	1.9	79.4	1.9
Special-Purpose Machines	20,683	1.1	17,785	1.1	16,327	1.1	91.8	1.1
Machining Centers	654,601	41.4	725,600	42.0	614,749	41.4	84.7	42.0
Vertical	377,061	22.7	404,619	23.1	337,708	22.7	83.5	23.1
Horizontal	230,020	14.6	259,868	14.8	217,080	14.6	83.5	14.8
Other Machining Centers	47,520	4.0	61,113	4.1	59,961	4.0	98.1	4.1
Electrical Discharge Machines	52,166	3.0	57,122	3.1	45,069	3.0	78.9	3.1
Other Machine Tools	136,050	9.9	177,598	9.9	146,880	9.9	82.7	9.2
FMS	24,601	1.4	30,110	1.4	21,088	1.4	70.0	1.4
Total	1,541,419	100.0	1,759,601	100.0	1,486,519	100.0	84.5	100.0

Source: JMTBA
(): Share of NC Machine Tools